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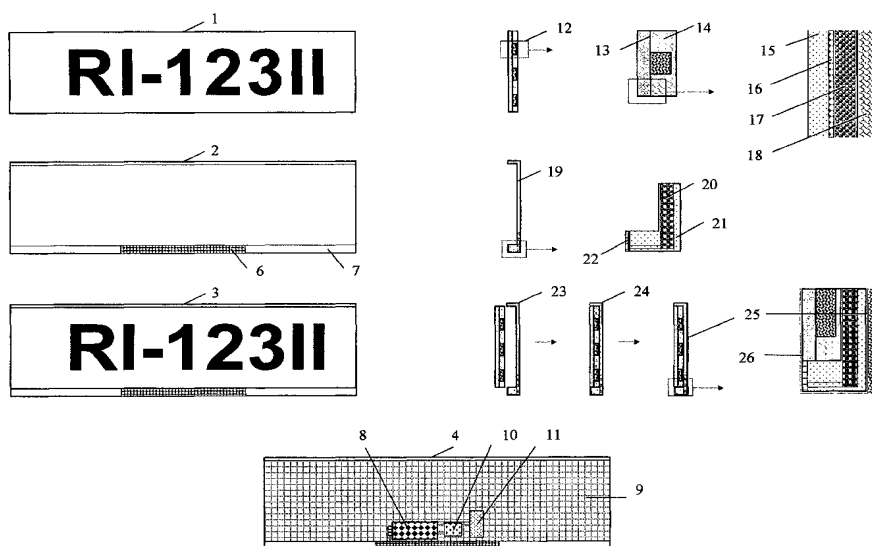
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(54) Title: THE SYSTEM OF WIRELESS ELECTRONIC REGISTRATION PLATES



(57) Abstract: The system of wireless electronic registration plates (3) which is comprehended by the existence of the central wireless module (29) placed within the motor vehicle and connected on to an electric energy source, and the wireless electronic registration plates (30, 31), that are placed at the front and the rear sides of a motor vehicle, containing built-in satellite wireless module (11) is functioning on a principle of wireless micro network where the data transfer from a computer or other mobile device for data input (27, 28) is made through the central wireless module to the satellite wireless modules embedded into the registration plates. The wireless electronic registration plates have its own source of electric

energy from the solar cells (6) placed in the lower part of the solar housing (22), which are connected to a thin, film battery (8) implanted in to the solar housing of the registration plates. The registration data is displayed through the active display (1) that is embedded in the solar housing. The active display is made of two flexible parts, the front plane laminate i.e. electronic paper (13) which consist of the layer of electronic ink (17) and the plastic film on the surface (15) containing transparent conducting electrodes (16), and the back plane laminate (14) containing the electronic complex (9) and the control module (10) enabling regulation and control of the displayed information. In the electronic complex there is a wireless (Bluetooth) module (11) for wireless communication and data transfer. The wireless electronic registration plates are laminated with highly resistant and protective plastic (26) and on the back side of the registration plates there is an acrylic, double sided, epoxy gluing tape (25) that enables for direct affixing of the registration plates on to a vehicle body, bumpers or the registration plate holders.